

HISTORIC AMERICAN ENGINEERING RECORD

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HAER No. CA-222

Southern Pacific Railroad Shasta Route, Bridge Number 301.85
(Southern Pacific Shasta Route, Sacramento River 6th Crossing)
Milepost 301.85
Pollard Flat Vicinity
Shasta County
California

For written information regarding the Shasta Route, please refer to Southern Pacific Railroad Shasta Route (HAER No. CA-220). Note also that all directional references to the bridge are given in Southern Pacific Railroad terminology. Headquartered in San Francisco, the S.P. considered all trains heading *away* from San Francisco to be eastbound, all trains heading *toward* San Francisco to be westbound, regardless of actual cardinal direction. Thus a train heading north from Los Angeles to Portland would be westbound until it passed San Francisco, at which time it would become eastbound. Similarly, the railroad referred to all tunnels and other structures along its lines in the same fashion, with tunnels always having west and east portals. Direction of view in the captions will indicate cardinal direction.

Documentation: 9 photographs (1997)
5 photocopies of historic plans

Ed Andersen, Photographer
John Snyder, Field Director

PHOTOGRAPHS

- CA-222-1 West portal of Bridge Number 301.85, contextual view to northeast, 135mm lens.
- CA-222-2 West portal of Bridge Number 301.85, view to northeast, 210mm lens.
- CA-222-3 Oblique view of upstream side of Bridge Number 301.85, view to east-northeast, 135mm lens. Heavy vegetation cover, steep banks, and lack of streamside footing precluded full elevation views of the upstream and downstream sides of this bridge.
- CA-222-4 Oblique view of upstream side of Bridge Number 301.85, also showing underfloor deck hangers and diagonal bracing, view to east-northeast, 90mm lens.
- CA-222-5 East portal of Bridge Number 301.85, contextual view to southwest, 135mm lens.
- CA-222-6 East portal of Bridge Number 301.85, view to southwest, 210mm lens.
- CA-222-7 Oblique view of downstream side of Bridge Number 301.85, view to west-southwest, 135mm lens.

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CA-222-8 Detail, skewed portal bracing at west portal, also showing boxed endposts, latticed upper transverse and diagonal sway bracing, laced vertical members, view to northeast, 210mm lens.

CA-222-9 Detail, typical bearing, upstream side of west end of Bridge Number 301.85, view to east, 210mm lens with electronic flash fill.

PHOTOCOPIES OF HISTORIC PLANS (Original plans are held by Union Pacific Railroad, 1416 Dodge Street, Omaha, Nebraska.)

CA-222-10 "Southern Pacific Company, 6th Crossing of Sacramento River, One 208'-10-1/2" C. to C. End Pins S. Tr. Thro. Skew Span, Scale 1" = 10', The Phoenix Bridge Co., Phoenixville, Pa., April 12, 1901, Drg. 45"

CA-222-11 "Erection Plan, 1 - 208'-10-1/2" C. to C. End Pins S. Tr. Thro. Skew Span, 6th Crossing Sacramento River, Pacific System, Southern Pacific Company, The Phoenix Bridge Co., C.O. 836D, Drawing No. 13, Scale 1/8" = 1'0", Engineer, B.M. Krohn, Draftsman, W.L. Clegg, Date, May 25th 1901"

CA-222-12 "Portal Strut for 1 - 208'-10-1/2" C. to C. End Pins S. Tr. Thro. Skew Span, 6th Crossing of Sacramento River, So. Pac. Co., The Phoenix Bridge Co., C.O. 836D, Drawing No. 12, Scale - 1" = 1', Engineer - B.M. Krohn, May 22nd '01, J.C.S."

CA-222-13 "Transverse Bracing for 1 - 208'-10-1/2" C. to C. End Pins S. Tr. Thro. Skew Span, 6th Crossing of Sacramento River, So. Pac. Co., The Phoenix Bridge Co., C.O. 836D, Drawing No. 7, Scale - 1" = 1', Engineer - B.M. Krohn, May 11th '01, Slaughter"

CA-222-14 Date Plate, "C.O. #836, Dwg. #12A, Full Size. For Portal Strut with Date Plate 'DP' see dwg. #12"